



SAFETY DATA SHEET

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name 515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

Product number 515/Q113/24 - BASE FOR RED

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Paint.

1.3. Details of the supplier of the safety data sheet

Supplier TEAL & MACKRILL LIMITED
LOCKWOOD STREET
HULL
HU2 0HN
+44(0)1482 320194(T)
+44(0)1482 219266(F)
info@teamac.co.uk

Contact person Technical Department -, 08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri, as above

1.4. Emergency telephone number

Emergency telephone +44 (0) 1482 320194 Teamac (08.30 - 16.30 hrs Mon - Thurs, 08.30 - 15.00 hrs Fri)

SDS No. 20978

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 3 - H226

Health hazards Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318

Environmental hazards Aquatic Chronic 2 - H411

Human health The product contains a small amount of sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals.

Physicochemical When handled correctly, undamaged units represent no danger.

2.2. Label elements

Hazard pictograms



Signal word

Danger

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

Hazard statements	<p>H312+H332 Harmful in contact with skin or if inhaled.</p> <p>H226 Flammable liquid and vapour.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P102 Keep out of reach of children.</p> <p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	XYLENE, 2-METHYLPROPAN-1-OL
Supplementary precautionary statements	<p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P370+P378 In case of fire: Use alcohol resistant foam, carbon dioxide or dry powder to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p>

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

XYLENE			10-30%
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-xxxx	
Classification		Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226		Xn;R20/21,R65. Xi;R36/37/38. R10.	
Acute Tox. 4 - H312			
Acute Tox. 4 - H332			
Skin Irrit. 2 - H315			
2-METHYLPROPAN-1-OL			5-10%
CAS number: 78-83-1	EC number: 201-148-0	REACH registration number: 01-2119484609-23-XXXX	
Classification			
Flam. Liq. 3 - H226			
Skin Irrit. 2 - H315			
Eye Dam. 1 - H318			
STOT SE 3 - H335, H336			

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

1-METHOXY-2-PROPANOL			5-10%
CAS number: 107-98-2	EC number: 203-539-1	REACH registration number: 01-2119457435-35-0000	
Classification Flam. Liq. 3 - H226 STOT SE 3 - H336		Classification (67/548/EEC or 1999/45/EC) R10 R67	
TRIZINC BIS(ORTHOPHOSPHATE)			1-5%
CAS number: 7779-90-0	EC number: 231-944-3	REACH registration number: 01-2119485044-40-0000	
M factor (Acute) = 1	M factor (Chronic) = 1		
Classification Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		Classification (67/548/EEC or 1999/45/EC) N;R50/53	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person.
Inhalation	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Give a few small glasses of water or milk to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

General information	Get medical attention promptly if symptoms occur after washing.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire. Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

5.2. Special hazards arising from the substance or mixture

Specific hazards Toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours. Containers close to fire should be removed or cooled with water.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid inhalation of vapours. Avoid spilling. Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. The Manual Handling Operations Regulations may apply to the handling of containers of this product. For products sold by weight refer to the guide net weight indicated on the container. Allowance will have to be made for the immediate packaging to give an approximate gross weight.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly closed original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 25°C. Protect from freezing and direct sunlight. Keep containers upright.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

2-METHYLPROPAN-1-OL

Long-term exposure limit (8-hour TWA): WEL 50 ppm 154 mg/m³

Short-term exposure limit (15-minute): WEL 75 ppm 231 mg/m³

1-METHOXY-2-PROPANOL

Long-term exposure limit (8-hour TWA): WEL 100 ppm 375 mg/m³

Short-term exposure limit (15-minute): WEL 150 ppm 560 mg/m³

Sk

TRIZINC BIS(ORTHOPHOSPHATE)

Long-term exposure limit (8-hour TWA): 10 mg/m³

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

XYLENE (CAS: 1330-20-7)

DNEL

Consumer - Oral; Long term systemic effects: 1.6 mg/kg/day
 Consumer - Dermal; Long term systemic effects: 108 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 14.8 mg/m³
 Industry - Dermal; Long term systemic effects: 180 mg/kg/day
 Industry - Inhalation; Long term systemic effects: 77 mg/m³
 Industry - Inhalation; Short term local effects: 289 mg/m³

PNEC

- Fresh water; 0.327 mg/l
 - marine water; 0.327 mg/l
 - Intermittent release; 0.327 mg/l
 - Sediment (Freshwater); 12.46 mg/kg
 - Sediment (Marinewater); 12.46 mg/kg
 - Soil; 2.31 mg/kg
 - STP; 6.58 mg/kg

2-METHYLPROPAN-1-OL (CAS: 78-83-1)

DNEL

Workers - Inhalation; Long term local effects: 310 mg/m³
 Consumer - Inhalation; Short term local effects: 55 mg/m³

1-METHOXY-2-PROPANOL (CAS: 107-98-2)

DNEL

Workers - Inhalation; Short term local effects: 553.5 mg/m³
 Workers - Dermal; Long term systemic effects: 183 mg/kg/day
 Workers - Inhalation; Long term systemic effects: 369 mg/m³
 Consumer - Dermal; Long term systemic effects: 78 mg/kg/day
 Consumer - Inhalation; Long term systemic effects: 43.9 mg/m³
 Consumer - Oral; Long term systemic effects: 33 mg/kg/day

PNEC

- Fresh water; 10 mg/l
 - marine water; 1 mg/l
 - Intermittent release; 100 mg/l
 - STP; 100 mg/l
 - Sediment (Freshwater); 52.3 mg/kg
 - Sediment (Marinewater); 5.2 mg/kg
 - Soil; 4.59 mg/kg

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

TRIZINC BIS(ORTHOPHOSPHATE) (CAS: 7779-90-0)

DNEL

- Inhalation; : 1.0 soluble Zn mg/m³
Consumer - Oral; Long term systemic effects: 0.83 mg/kg/day
- Inhalation; : 5.0 insoluble Zn mg/m³
Consumer - Inhalation; Long term systemic effects: 2.5 mg/m³
Professional - Inhalation; Long term systemic effects: 5 mg/m³
Consumer - Dermal; Long term systemic effects: 83 mg/kg/day
Professional - Dermal; Long term systemic effects: 83 mg/kg/day

PNEC

- Fresh water; 0.02 Zn mg/l
- marine water; 0.006 Zn mg/l
- Sediment (Freshwater); 117.8 mg/kg
- Sediment (Marinewater); 56.5 Zn mg/kg
- Soil; 35.6 Zn mg/kg
- STP; 0.1 Zn mg/l

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Personal protection

Unprotected persons should be kept away from treated areas.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturer's performance data suggest that the optimum glove for use should be: Viton rubber (fluoro rubber). Thickness: > 0.2 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. or Polyvinyl alcohol (PVA). Thickness: 0.2 - 0.3 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 240 mins. or Polyethylene. Thickness: > 0.062 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. Caution: The performance of gloves under actual working conditions can be significantly affected by many factors and the information provided according to EN374 may not accord with what is achieved in practice. We recommend that expert professional advice is sought that takes into account of the work processes and working environment applicable for each task where gloves are to be worn.

Other skin and body protection

Wear appropriate clothing to prevent reasonably probable skin contact.

Hygiene measures

Use engineering controls to reduce air contamination to permissible exposure level. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

Respiratory protection

Respiratory protection may be required if excessive airborne contamination occurs. In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P3).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

Appearance	Liquid
Colour	Grey. or Red.
Odour	Aromatic. Solvent.
Odour threshold	No information available.
pH	Not applicable.
Melting point	Not applicable.
Initial boiling point and range	137 (Xylene)°C
Flash point	> 23°C < 60°C Closed cup.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.1 (xylene) g/100 g Upper flammable/explosive limit: 7.0 (xylene) g/100 g
Other flammability	Not determined.
Vapour pressure	1.1 (Xylene) kPa @ °C
Vapour density	heavier than air
Relative density	~1.10 - 1.30 depending on colour @ @ 20°C
Bulk density	Not applicable.
Solubility(ies)	Soluble in the following materials: Aromatic solvents.
Partition coefficient	Not determined.
Auto-ignition temperature	270 (Xylene)°C
Decomposition Temperature	Not determined.
Viscosity	1.0 - 4.0 (ICI Cone & Plate) P @ 25°C
Explosive properties	Not determined.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Volatility	approx. 40% when mixed with activator
Volatile organic compound	EU: (cat A/j): 500 g/l 2010. This product contains a maximum VOC content of <500 (when mixed) g/litre.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

Possibility of hazardous reactions Will not occur

10.4. Conditions to avoid

Conditions to avoid Not known.

10.5. Incompatible materials

Materials to avoid Strong acids. Alkalis - inorganic. Amines. Mercaptans (thiols).

10.6. Hazardous decomposition products

Hazardous decomposition products Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No data recorded.

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 11.0

Aspiration hazard

Aspiration hazard Kinematic viscosity ≤ 20.5 mm²/s.

General information The product contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation May cause inhalation hypersensitivity (occupational asthma) in sensitive individuals.

Ingestion Harmful if swallowed. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact Irritating to skin. May cause sensitisation by skin contact.

Eye contact Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

Acute and chronic health hazards May cause sensitisation by skin contact. Delayed appearance of the complaints and development of hypersensitivity (difficulty breathing, coughing, asthma) are possible.

Route of exposure Inhalation Skin absorption. Ingestion. Skin and/or eye contact.

Medical considerations Skin disorders and allergies.

Toxicological information on ingredients.

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,523.0

Species Rat

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

ATE oral (mg/kg) 3,523.0

Acute toxicity - dermal

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

ATE inhalation (vapours
mg/l) 11.0

Serious eye damage/irritation

Serious eye
damage/irritation Severely irritating to skin. Irritation of eyes is assumed. No testing is needed.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Carcinogenicity

Carcinogenicity There is no evidence that the product can cause cancer.

Reproductive toxicity

Reproductive toxicity -
fertility This substance has no evidence of toxicity to reproduction.

Aspiration hazard

Aspiration hazard Kinematic viscosity <= 20.5 mm²/s.

Inhalation Harmful by inhalation.

Ingestion Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact Harmful in contact with skin.

Eye contact May cause severe eye irritation.

Target organs Central nervous system Liver

2-METHYLPROPAN-1-OLAcute toxicity - oral

Acute toxicity oral (LD₅₀
mg/kg) 2,830.0

Species Rat

ATE oral (mg/kg) 2,830.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀
mg/kg) 2,100.0

Species Rat

ATE dermal (mg/kg) 2,100.0

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED**Skin corrosion/irritation**

Animal data Non Corrosive to skin.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vivo Data lacking.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies

Reproductive toxicity

Reproductive toxicity - development Data lacking.

Inhalation Irritating to respiratory system.

Eye contact May cause severe eye irritation.

1-METHOXY-2-PROPANOL**Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 4,016.0

Species Rat

ATE oral (mg/kg) 4,016.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,100.0

Species Rat

ATE dermal (mg/kg) 2,100.0

Skin corrosion/irritation

Animal data Non Corrosive to skin.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vivo Data lacking.

Carcinogenicity

Carcinogenicity No evidence of carcinogenicity in animal studies

Reproductive toxicity

Reproductive toxicity - development Data lacking.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not determined.

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED**TRIZINC BIS(ORTHOPHOSPHATE)****Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 5,100.0

Species Rat

ATE oral (mg/kg) 5,100.0

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Not irritating

Skin corrosion/irritation

Animal data Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation Not irritating.

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

Skin sensitisation

Skin sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Does not contain any substances known to be mutagenic.

Carcinogenicity

Carcinogenicity There is no evidence that the product can cause cancer.

Reproductive toxicity

Reproductive toxicity - fertility This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

General information No specific health hazards known.

SECTION 12: Ecological information

Ecotoxicity There are no data on the ecotoxicity of this product.

Ecological information on ingredients.**XYLENE**

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Toxicity Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

Ecological information on ingredients.

XYLENE

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 2.6 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 3.62 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 3.2 mg/l, Algae

2-METHYLPROPAN-1-OL

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 1430 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 1100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 593 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	IC ₅₀ , 16 hours: >1000 mg/l, Activated sludge

1-METHOXY-2-PROPANOL

Acute aquatic toxicity

Acute toxicity - fish	Based on available data the classification criteria are not met.
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 23300 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , : >1000 mg/l, Algae
Acute toxicity - microorganisms	IC ₅₀ , 3 hours: >1000 mg/l, Activated sludge

TRIZINC BIS(ORTHOPHOSPHATE)

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: Oncorhynchus mykiss 0.14 - 0.26 Zn ²⁺ mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: Daphnia magna 0.04 - 0.86 Zn ²⁺ mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 0.136 - 0.15 Zn ²⁺ mg/l, Selenastrum capricornutum IC ₅₀ , 72 hours: Desmodesmus subspicatus <0.3 mg/l, Algae

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Non-rapidly degradable

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED**M factor (Chronic)** 1**12.2. Persistence and degradability****Persistence and degradability** The degradability of the product is not known.**Ecological information on ingredients.****XYLENE****Persistence and degradability** The product is readily biodegradable.**12.3. Bioaccumulative potential****Bioaccumulative potential** No data available on bioaccumulation.**Partition coefficient** Not determined.**Ecological information on ingredients.****XYLENE****Partition coefficient** log Kow: 3.12 - 3.2**TRIZINC BIS(ORTHOPHOSPHATE)****Bioaccumulative potential** The product is not bioaccumulating.**12.4. Mobility in soil****Mobility** The product is insoluble in water. Volatile liquid. The product contains organic solvents which will evaporate easily from all surfaces.**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.**Ecological information on ingredients.****XYLENE****Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.**TRIZINC BIS(ORTHOPHOSPHATE)****Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.**12.6. Other adverse effects****Other adverse effects** None known.**Ecological information on ingredients.****TRIZINC BIS(ORTHOPHOSPHATE)****Other adverse effects** Not available.**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

General information Avoid the spillage or runoff entering drains, sewers or watercourses. Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. When handling waste, the safety precautions applying to handling of the product should be considered. DO NOT reuse containers containing residual product without commercial cleaning

Waste class When this material, in its liquid state, as supplied, becomes a waste, it is categorised as a hazardous waste, with code 08 01 11* (EPOXY BASED LIQUID WASTE). Part-used containers, not drained and/or rigorously scraped out and containing residues of the supplied material, are categorised as hazardous waste, with code 08 01 11* (EPOXY BASED LIQUID WASTE). Ideally this component should be mixed with the appropriate hardener and allowed to react fully to produce a solid waste. Neutralised empty packages, are categorised as non-hazardous waste, with code 15 01 02(plastic packaging) or 15 01 04 (metal packaging)

SECTION 14: Transport information

General This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG.

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT OR PAINT RELATED MATERIAL

14.3. Transport hazard class(es)

ADR/RID class 3

IMDG class 3

ICAO class/division 3

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-E, S-E

Tunnel restriction code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Commission Regulation (EU) No 2015/830 of 28 May 2015.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
GHS: Globally Harmonized System.
IATA: International Air Transport Association.
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
vPvB: Very Persistent and Very Bioaccumulative.
EC₅₀: 50% of maximal Effective Concentration.

Classification abbreviations and acronyms Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)
Asp. Tox. = Aspiration hazard
Eye Dam. = Serious eye damage
Eye Irrit. = Eye irritation
Resp. Sens. = Respiratory sensitisation
Skin Corr. = Skin corrosion
Skin Irrit. = Skin irritation
Skin Sens. = Skin sensitisation
STOT RE = Specific target organ toxicity-repeated exposure
STOT SE = Specific target organ toxicity-single exposure

515/Q113 - HIGH PERFORMANCE MARINE PRIMER - BASE FOR RED

Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
Revision comments	Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 2015/830 This is the first issue.
Issued by	Technical Dept. (P.E.)
Revision date	12/03/2020
Revision	0.0
SDS number	20978
SDS status	Approved.
Hazard statements in full	H226 Flammable liquid and vapour. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Signature	Initials _____

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.